

SEQUENCE LISTING

<110> Innoventus Project AB

<120> An endogenous peptide, and active subfragments thereof

<130> PD53577PC01

<150> SE0301988-2

<151> 2003-07-07

<150> US60/485,185

<151> 2003-07-07

<160> 28

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 35

<212> PRT

<213> human

<400> 1

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Asp Leu His Pro His Lys His His Ser His Glu Gln His Pro His Gly
 1             5             10             15
His His Pro His Ala His His Pro His Glu His Asp Thr His Arg Gln
      20             25             30
His Pro His
      35

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<210> 2

<211> 151

<212> PRT

<213> human

<400> 2

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His Leu Gly His Pro Phe His Trp Gly Gly His Glu Arg Ser Ser Thr
 1             5             10             15
Thr Lys Pro Pro Phe Lys Pro His Gly Ser Arg Asp His His His Pro
      20             25             30
His Lys Pro His Glu His Gly Pro Pro Pro Pro Pro Asp Glu Arg Asp
      35             40             45
His Ser His Gly Pro Pro Leu Pro Gln Gly Pro Pro Pro Leu Leu Pro
      50             55             60
Met Ser Cys Ser Ser Cys Gln His Ala Thr Phe Gly Thr Asn Gly Ala
      65             70             75             80
Gln Arg His Ser His Asn Asn Asn Ser Ser Asp Leu His Pro His Lys
      85             90             95
His His Ser His Glu Gln His Pro His Gly His His Pro His Ala His
      100            105            110
His Pro His Glu His Asp Thr His Arg Gln His Pro His Gly His His
      115            120            125
Pro His Gly His His Pro His Gly His His Pro His Gly His His Pro
      130            135            140
His Gly His His Pro His Cys
      145            150

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<210> 3
 <211> 507
 <212> PRT
 <213> human

<400> 3

Val	Ser	Pro	Thr	Asp	Cys	Ser	Ala	Val	Glu	Pro	Glu	Ala	Glu	Lys	Ala
1				5					10					15	
Leu	Asp	Leu	Ile	Asn	Lys	Arg	Arg	Arg	Asp	Gly	Tyr	Leu	Phe	Gln	Leu
			20					25					30		
Leu	Arg	Ile	Ala	Asp	Ala	His	Leu	Asp	Arg	Val	Glu	Asn	Thr	Thr	Val
		35					40					45			
Tyr	Tyr	Leu	Val	Leu	Asp	Val	Gln	Glu	Ser	Asp	Cys	Ser	Val	Leu	Ser
	50					55					60				
Arg	Lys	Tyr	Trp	Asn	Asp	Cys	Glu	Pro	Pro	Asp	Ser	Arg	Arg	Pro	Ser
65					70					75					80
Glu	Ile	Val	Ile	Gly	Gln	Cys	Lys	Val	Ile	Ala	Thr	Arg	His	Ser	His
				85					90					95	
Glu	Ser	Gln	Asp	Leu	Arg	Val	Ile	Asp	Phe	Asn	Cys	Thr	Thr	Ser	Ser
			100					105					110		
Val	Ser	Ser	Ala	Leu	Ala	Asn	Thr	Lys	Asp	Ser	Pro	Val	Leu	Ile	Asp
		115					120					125			
Phe	Phe	Glu	Asp	Thr	Glu	Arg	Tyr	Arg	Lys	Gln	Ala	Asn	Lys	Ala	Leu
	130						135				140				
Glu	Lys	Tyr	Lys	Glu	Glu	Asn	Asp	Asp	Phe	Ala	Ser	Phe	Arg	Val	Asp
145					150					155					160
Arg	Ile	Glu	Arg	Val	Ala	Arg	Val	Arg	Gly	Gly	Glu	Gly	Thr	Gly	Tyr
				165					170					175	
Phe	Val	Asp	Phe	Ser	Val	Arg	Asn	Cys	Pro	Arg	His	His	Phe	Pro	Arg
		180					185						190		
His	Pro	Asn	Val	Phe	Gly	Phe	Cys	Arg	Ala	Asp	Leu	Phe	Tyr	Asp	Val
		195					200					205			
Glu	Ala	Leu	Asp	Leu	Glu	Ser	Pro	Lys	Asn	Leu	Val	Ile	Asn	Cys	Glu
	210					215					220				
Val	Phe	Asp	Pro	Gln	Glu	His	Glu	Asn	Ile	Asn	Gly	Val	Pro	Pro	His
225					230					235					240
Leu	Gly	His	Pro	Phe	His	Trp	Gly	Gly	His	Glu	Arg	Ser	Ser	Thr	Thr
			245						250					255	
Lys	Pro	Pro	Phe	Lys	Pro	His	Gly	Ser	Arg	Asp	His	His	His	Pro	His
			260					265					270		
Lys	Pro	His	Glu	His	Gly	Pro	Pro	Pro	Pro	Pro	Asp	Glu	Arg	Asp	His
		275					280					285			
Ser	His	Gly	Pro	Pro	Leu	Pro	Gln	Gly	Pro	Pro	Pro	Leu	Leu	Pro	Met
	290					295					300				
Ser	Cys	Ser	Ser	Cys	Gln	His	Ala	Thr	Phe	Gly	Thr	Asn	Gly	Ala	Gln
305					310					315					320
Arg	His	Ser	His	Asn	Asn	Asn	Ser	Ser	Asp	Leu	His	Pro	His	Lys	His
				325					330					335	
His	Ser	His	Glu	Gln	His	Pro	His	Gly	His	His	Pro	His	Ala	His	His
			340					345					350		
Pro	His	Glu	His	Asp	Thr	His	Arg	Gln	His	Pro	His	Gly	His	His	Pro
		355					360					365			
His	Gly	His	His	Pro	His	Gly	His	His	Pro	His	Gly	His	His	Pro	His
	370					375					380				
Gly	His	His	Pro	His	Cys	His	Asp	Phe	Gln	Asp	Tyr	Gly	Pro	Cys	Asp
385					390					395					400
Pro	Pro	Pro	His	Asn	Gln	Gly	His	Cys	Cys	His	Gly	His	Gly	Pro	Pro
				405					410					415	
Pro	Gly	His	Leu	Arg	Arg	Arg	Gly	Pro	Gly	Lys	Gly	Pro	Arg	Pro	Phe

420							425					430			
His	Cys	Arg	Gln	Ile	Gly	Ser	Val	Tyr	Arg	Leu	Pro	Pro	Leu	Arg	Lys
435							440					445			
Gly	Glu	Val	Leu	Pro	Leu	Pro	Glu	Ala	Asn	Phe	Pro	Ser	Phe	Pro	Leu
450							455					460			
Pro	His	His	Lys	His	Pro	Leu	Lys	Pro	Asp	Asn	Gln	Pro	Phe	Pro	Gln
465							470					475			
Ser	Val	Ser	Glu	Ser	Cys	Pro	Gly	Lys	Phe	Lys	Ser	Gly	Phe	Pro	Gln
485							490					495			
Val	Ser	Met	Phe	Phe	Thr	His	Thr	Phe	Pro	Lys					
500							505								

<210>	4
<211>	25
<212>	PRT
<213>	human

<400> 4
Gly His His Pro His Gly His His Pro His Gly His His Pro His Gly
1 5 10 15
His His Pro His Gly His His Pro His
20 25

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<210> 5
<211> 25
<212> PRT
<213> human
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<400> 5
His His His His His His His His His His His His His His His His
 1                    5                    10                    15
His His His His His His His His
 20                    25

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<210>	6
<211>	240
<212>	PRT
<213>	human

<400> 6															
Val	Ser	Pro	Thr	Asp	Cys	Ser	Ala	Val	Glu	Pro	Glu	Ala	Glu	Lys	Ala
1				5					10					15	
Leu	Asp	Leu	Ile	Asn	Lys	Arg	Arg	Arg	Asp	Gly	Tyr	Leu	Phe	Gln	Leu
			20					25					30		
Leu	Arg	Ile	Ala	Asp	Ala	His	Leu	Asp	Arg	Val	Glu	Asn	Thr	Thr	Val
		35					40					45			
Tyr	Tyr	Leu	Val	Leu	Asp	Val	Gln	Glu	Ser	Asp	Cys	Ser	Val	Leu	Ser
	50					55					60				
Arg	Lys	Tyr	Trp	Asn	Asp	Cys	Glu	Pro	Pro	Asp	Ser	Arg	Arg	Pro	Ser
65					70					75					80
Glu	Ile	Val	Ile	Gly	Gln	Cys	Lys	Val	Ile	Ala	Thr	Arg	His	Ser	His
				85					90					95	
Glu	Ser	Gln	Asp	Leu	Arg	Val	Ile	Asp	Phe	Asn	Cys	Thr	Thr	Ser	Ser
			100					105					110		
Val	Ser	Ser	Ala	Leu	Ala	Asn	Thr	Lys	Asp	Ser	Pro	Val	Leu	Ile	Asp
		115					120					125			
Phe	Phe	Glu	Asp	Thr	Glu	Arg	Tyr	Arg	Lys	Gln	Ala	Asn	Lys	Ala	Leu
	130					135					140				

Glu Lys Tyr Lys Glu Glu Asn Asp Asp Phe Ala Ser Phe Arg Val Asp
 145 150 155 160
 Arg Ile Glu Arg Val Ala Arg Val Arg Gly Gly Glu Gly Thr Gly Tyr
 165 170 175
 Phe Val Asp Phe Ser Val Arg Asn Cys Pro Arg His His Phe Pro Arg
 180 185 190
 His Pro Asn Val Phe Gly Phe Cys Arg Ala Asp Leu Phe Tyr Asp Val
 195 200 205
 Glu Ala Leu Asp Leu Glu Ser Pro Lys Asn Leu Val Ile Asn Cys Glu
 210 215 220
 Val Phe Asp Pro Gln Glu His Glu Asn Ile Asn Gly Val Pro Pro His
 225 230 235 240

<210> 7

<211> 320

<212> PRT

<213> human

<400> 7

Val Ser Pro Thr Asp Cys Ser Ala Val Glu Pro Glu Ala Glu Lys Ala
 1 5 10 15
 Leu Asp Leu Ile Asn Lys Arg Arg Arg Gly Tyr Leu Phe Gln Leu
 20 25 30
 Leu Arg Ile Ala Asp Ala His Leu Asp Arg Val Glu Asn Thr Thr Val
 35 40 45
 Tyr Tyr Leu Val Leu Asp Val Gln Glu Ser Asp Cys Ser Val Leu Ser
 50 55 60
 Arg Lys Tyr Trp Asn Asp Cys Glu Pro Pro Asp Ser Arg Arg Pro Ser
 65 70 75 80
 Glu Ile Val Ile Gly Gln Cys Lys Val Ile Ala Thr Arg His Ser His
 85 90 95
 Glu Ser Gln Asp Leu Arg Val Ile Asp Phe Asn Cys Thr Thr Ser Ser
 100 105 110
 Val Ser Ser Ala Leu Ala Asn Thr Lys Asp Ser Pro Val Leu Ile Asp
 115 120 125
 Phe Phe Glu Asp Thr Glu Arg Tyr Arg Lys Gln Ala Asn Lys Ala Leu
 130 135 140
 Glu Lys Tyr Lys Glu Glu Asn Asp Asp Phe Ala Ser Phe Arg Val Asp
 145 150 155 160
 Arg Ile Glu Arg Val Ala Arg Val Arg Gly Gly Glu Gly Thr Gly Tyr
 165 170 175
 Phe Val Asp Phe Ser Val Arg Asn Cys Pro Arg His His Phe Pro Arg
 180 185 190
 His Pro Asn Val Phe Gly Phe Cys Arg Ala Asp Leu Phe Tyr Asp Val
 195 200 205
 Glu Ala Leu Asp Leu Glu Ser Pro Lys Asn Leu Val Ile Asn Cys Glu
 210 215 220
 Val Phe Asp Pro Gln Glu His Glu Asn Ile Asn Gly Val Pro Pro His
 225 230 235 240
 Leu Gly His Pro Phe His Trp Gly Gly His Glu Arg Ser Ser Thr Thr
 245 250 255
 Lys Pro Pro Phe Lys Pro His Gly Ser Arg Asp His His His Pro His
 260 265 270
 Lys Pro His Glu His Gly Pro Pro Pro Pro Asp Glu Arg Asp His
 275 280 285
 Ser His Gly Pro Pro Leu Pro Gln Gly Pro Pro Pro Leu Leu Pro Met
 290 295 300
 Ser Cys Ser Ser Cys Gln His Ala Thr Phe Gly Thr Asn Gly Ala Gln
 305 310 315 320

<210> 8
 <211> 390
 <212> PRT
 <213> human

<400> 8

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Val Ser Pro Thr Asp Cys Ser Ala Val Glu Pro Glu Ala Glu Lys Ala
 1          5          10          15
Leu Asp Leu Ile Asn Lys Arg Arg Arg Asp Gly Tyr Leu Phe Gln Leu
          20          25          30
Leu Arg Ile Ala Asp Ala His Leu Asp Arg Val Glu Asn Thr Thr Val
          35          40          45
Tyr Tyr Leu Val Leu Asp Val Gln Glu Ser Asp Cys Ser Val Leu Ser
          50          55          60
Arg Lys Tyr Trp Asn Asp Cys Glu Pro Pro Asp Ser Arg Arg Pro Ser
          65          70          75          80
Glu Ile Val Ile Gly Gln Cys Lys Val Ile Ala Thr Arg His Ser His
          85          90          95
Glu Ser Gln Asp Leu Arg Val Ile Asp Phe Asn Cys Thr Thr Ser Ser
          100          105          110
Val Ser Ser Ala Leu Ala Asn Thr Lys Asp Ser Pro Val Leu Ile Asp
          115          120          125
Phe Phe Glu Asp Thr Glu Arg Tyr Arg Lys Gln Ala Asn Lys Ala Leu
          130          135          140
Glu Lys Tyr Lys Glu Glu Asn Asp Asp Phe Ala Ser Phe Arg Val Asp
          145          150          155          160
Arg Ile Glu Arg Val Ala Arg Val Arg Gly Gly Glu Gly Thr Gly Tyr
          165          170          175
Phe Val Asp Phe Ser Val Arg Asn Cys Pro Arg His His Phe Pro Arg
          180          185          190
His Pro Asn Val Phe Gly Phe Cys Arg Ala Asp Leu Phe Tyr Asp Val
          195          200          205
Glu Ala Leu Asp Leu Glu Ser Pro Lys Asn Leu Val Ile Asn Cys Glu
          210          215          220
Val Phe Asp Pro Gln Glu His Glu Asn Ile Asn Gly Val Pro Pro His
          225          230          235          240
Leu Gly His Pro Phe His Trp Gly Gly His Glu Arg Ser Ser Thr Thr
          245          250          255
Lys Pro Pro Phe Lys Pro His Gly Ser Arg Asp His His His Pro His
          260          265          270
Lys Pro His Glu His Gly Pro Pro Pro Pro Asp Glu Arg Asp His
          275          280          285
Ser His Gly Pro Pro Leu Pro Gln Gly Pro Pro Pro Leu Leu Pro Met
          290          295          300
Ser Cys Ser Ser Cys Gln His Ala Thr Phe Gly Thr Asn Gly Ala Gln
          305          310          315          320
Arg His Ser His Asn Asn Asn Ser Ser Asp Leu His Pro His Lys His
          325          330          335
His Ser His Glu Gln His Pro His Gly His His Pro His Ala His His
          340          345          350
Pro His Glu His Asp Thr His Arg Gln His Pro His Gly His His Pro
          355          360          365
His Gly His His Pro His Gly His His Pro His Gly His His Pro His
          370          375          380
Gly His His Pro His Cys
          385          390

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<210> 9
 <211> 151
 <212> PRT
 <213> human

<400> 9
 His Leu Gly His Pro Phe His Trp Gly Gly His Glu Arg Ser Ser Thr
 1 5 10 15
 Thr Lys Pro Pro Phe Lys Pro His Gly Ser Arg Asp His His His Pro
 20 25 30
 His Lys Pro His Glu His Gly Pro Pro Pro Pro Asp Glu Arg Asp
 35 40 45
 His Ser His Gly Pro Pro Leu Pro Gln Gly Pro Pro Pro Leu Leu Pro
 50 55 60
 Met Ser Cys Ser Ser Cys Gln His Ala Thr Phe Gly Thr Asn Gly Ala
 65 70 75 80
 Gln Arg His Ser His Asn Asn Asn Ser Ser Asp Leu His Pro His Lys
 85 90 95
 His His Ser His Glu Gln His Pro His Gly His His Pro His Ala His
 100 105 110
 His Pro His Glu His Asp Thr His Arg Gln His Pro His Gly His His
 115 120 125
 Pro His Gly His His Pro His Gly His His Pro His Gly His His Pro
 130 135 140
 His Gly His His Pro His Cys
 145 150

<210> 10
 <211> 25
 <212> PRT
 <213> human

<400> 10
 Cys His Asp Phe Gln Asp Tyr Gly Pro Cys Asp Pro Pro Pro His Asn
 1 5 10 15
 Gln Gly His Cys Cys His Gly His Gly
 20 25

<210> 11
 <211> 26
 <212> PRT
 <213> human

<400> 11
 Gly Pro Pro Pro Gly His Leu Arg Arg Arg Gly Pro Gly Lys Gly Pro
 1 5 10 15
 Arg Pro Phe His Cys Arg Gln Ile Gly Ser
 20 25

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<210> 12
 <211> 36
 <212> PRT
 <213> human

<400> 12
 Val Tyr Arg Leu Pro Pro Leu Arg Lys Gly Glu Val Leu Pro Leu Pro
 1 5 10 15
 Glu Ala Asn Phe Pro Ser Phe Pro Leu Pro His His Lys His Pro Leu
 20 25 30
 Lys Pro Asp Asn
 35

<210> 13
 <211> 32
 <212> PRT
 <213> human

<400> 13
 Gln Pro Phe Pro Gln Ser Val Ser Glu Ser Cys Pro Gly Lys Phe Lys
 1 5 10 15
 Ser Gly Phe Pro Gln Val Ser Met Phe Phe Thr His Thr Phe Pro Lys
 20 25 30

<210> 14
 <211> 525
 <212> PRT
 <213> human

<400> 14
 Met Lys Ala Leu Ile Ala Ala Leu Leu Leu Ile Thr Leu Gln Tyr Ser
 1 5 10 15
 Cys Ala Val Ser Pro Thr Asp Cys Ser Ala Val Glu Pro Glu Ala Glu
 20 25 30
 Lys Ala Leu Asp Leu Ile Asn Lys Arg Arg Arg Asp Gly Tyr Leu Phe
 35 40 45
 Gln Leu Leu Arg Ile Ala Asp Ala His Leu Asp Arg Val Glu Asn Thr
 50 55 60
 Thr Val Tyr Tyr Leu Val Leu Asp Val Gln Glu Ser Asp Cys Ser Val
 65 70 75 80
 Leu Ser Arg Lys Tyr Trp Asn Asp Cys Glu Pro Pro Asp Ser Arg Arg
 85 90 95
 Pro Ser Glu Ile Val Ile Gly Gln Cys Lys Val Ile Ala Thr Arg His
 100 105 110
 Ser His Glu Ser Gln Asp Leu Arg Val Ile Asp Phe Asn Cys Thr Thr
 115 120 125
 Ser Ser Val Ser Ser Ala Leu Ala Asn Thr Lys Asp Ser Pro Val Leu
 130 135 140
 Ile Asp Phe Phe Glu Asp Thr Glu Arg Tyr Arg Lys Gln Ala Asn Lys
 145 150 155 160
 Ala Leu Glu Lys Tyr Lys Glu Glu Asn Asp Asp Phe Ala Ser Phe Arg
 165 170 175
 Val Asp Arg Ile Glu Arg Val Ala Arg Val Arg Gly Gly Glu Gly Thr
 180 185 190
 Gly Tyr Phe Val Asp Phe Ser Val Arg Asn Cys Pro Arg His His Phe
 195 200 205
 Pro Arg His Pro Asn Val Phe Gly Phe Cys Arg Ala Asp Leu Phe Tyr
 210 215 220
 Asp Val Glu Ala Leu Asp Leu Glu Ser Pro Lys Asn Leu Val Ile Asn

225					230					235				240	
Cys	Glu	Val	Phe	Asp	Pro	Gln	Glu	His	Glu	Asn	Ile	Asn	Gly	Val	Pro
				245					250					255	
Pro	His	Leu	Gly	His	Pro	Phe	His	Trp	Gly	Gly	His	Glu	Arg	Ser	Ser
			260					265					270		
Thr	Thr	Lys	Pro	Pro	Phe	Lys	Pro	His	Gly	Ser	Arg	Asp	His	His	His
		275						280				285			
Pro	His	Lys	Pro	His	Glu	His	Gly	Pro	Pro	Pro	Pro	Pro	Asp	Glu	Arg
		290					295				300				
Asp	His	Ser	His	Gly	Pro	Pro	Leu	Pro	Gln	Gly	Pro	Pro	Pro	Leu	Leu
305					310					315					320
Pro	Met	Ser	Cys	Ser	Ser	Cys	Gln	His	Ala	Thr	Phe	Gly	Thr	Asn	Gly
				325					330					335	
Ala	Gln	Arg	His	Ser	His	Asn	Asn	Asn	Ser	Ser	Asp	Leu	His	Pro	His
			340					345					350		
Lys	His	His	Ser	His	Glu	Gln	His	Pro	His	Gly	His	His	Pro	His	Ala
		355					360					365			
His	His	Pro	His	Glu	His	Asp	Thr	His	Arg	Gln	His	Pro	His	Gly	His
		370				375					380				
His	Pro	His	Gly	His	His	Pro	His	Gly	His	His	Pro	His	Gly	His	His
385					390					395					400
Pro	His	Gly	His	His	Pro	His	Cys	His	Asp	Phe	Gln	Asp	Tyr	Gly	Pro
			405						410					415	
Cys	Asp	Pro	Pro	Pro	His	Asn	Gln	Gly	His	Cys	Cys	His	Gly	His	Gly
			420					425					430		
Pro	Pro	Pro	Gly	His	Leu	Arg	Arg	Arg	Gly	Pro	Gly	Lys	Gly	Pro	Arg
		435					440					445			
Pro	Phe	His	Cys	Arg	Gln	Ile	Gly	Ser	Val	Tyr	Arg	Leu	Pro	Pro	Leu
		450				455					460				
Arg	Lys	Gly	Glu	Val	Leu	Pro	Leu	Pro	Glu	Ala	Asn	Phe	Pro	Ser	Phe
465					470					475					480
Pro	Leu	Pro	His	His	Lys	His	Pro	Leu	Lys	Pro	Asp	Asn	Gln	Pro	Phe
			485						490					495	
Pro	Gln	Ser	Val	Ser	Glu	Ser	Cys	Pro	Gly	Lys	Phe	Lys	Ser	Gly	Phe
			500					505					510		
Pro	Gln	Val	Ser	Met	Phe	Phe	Thr	His	Thr	Phe	Pro	Lys			
		515					520					525			

<210> 15

<211> 16

<212> PRT

<213> human

<400> 15

Asp	Leu	His	Pro	His	Lys	His	His	Ser	His	Glu	Gln	His	Pro	His	Gly
1				5					10					15	

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<210> 16
<211> 26
<212> PRT
<213> human

<220>

<223> additional G residue (residue 16) not part of
human HRGP

<400> 16

Lys	His	His	Ser	His	Glu	Gln	His	Pro	His	Gly	His	His	Pro	His	Ala
1				5				10						15	
His	His	Pro	His	Glu	His	Asp	Thr	His	Gly						
			20					25							

<210> 17
<211> 25
<212> PRT
<213> human

<400> 17

Lys	His	His	Ser	His	Glu	Gln	His	Pro	His	Gly	His	His	Pro	His	Ala
1				5				10						15	
His	His	Pro	His	Glu	His	Asp	Thr	His							
			20					25							

<210> 18
<211> 16
<212> PRT
<213> human

<400> 18

Ala	His	His	Pro	His	Glu	His	Asp	Thr	His	Arg	Gln	His	Pro	His	Gly
1				5				10						15	

<210> 19
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Non-consecutive fragment residues 330-334,
340-344, 355-359 of human HRGP + additional
residue G (residue 16) in C terminal

<400> 19

Asp	Leu	His	Pro	His	Glu	Gln	His	Pro	His	Glu	His	Asp	Thr	His	Gly
1				5				10						15	

<210> 20
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence comprises residues 330-334, 340-344,
355-359 of mature human HRGP

<400> 20
Asp Leu His Pro His Glu Gln His Pro His Glu His Asp Thr His
1 5 10 15

<210> 21
<211> 15
<212> PRT
<213> human

<220>
<221> ACETYLTATION
<222> (1)...(1)

<221> AMIDATION
<222> (15)...(15)

<400> 21
Ala His His Pro His Glu His Asp Thr His Arg Gln His Pro His
1 5 10 15

<210> 22
<211> 15
<212> PRT
<213> human

<400> 22
Ala His His Pro His Glu His Asp Thr His Arg Gln His Pro His
1 5 10 15

<210> 23
<211> 10
<212> PRT
<213> human

<220>
<221> ACETYLTATION
<222> (1)...(1)

<221> AMIDATION
<222> (10)...(10)

<400> 23
Ala His His Pro His Glu His Asp Thr His
1 5 10

<210> 24
<211> 10
<212> PRT
<213> human

<400> 24
Ala His His Pro His Glu His Asp Thr His
1 5 10

<210> 25
<211> 5
<212> PRT
<213> human

<220>
<221> ACETYLATION
<222> (1)...(1)

<221> AMIDATION
<222> (5)...(5)

<400> 25
Ala His His Pro His
1 5

<210> 26
<211> 5
<212> PRT
<213> human

<400> 26
Ala His His Pro His
1 5

<210> 27
<211> 5
<212> PRT
<213> human

<220>
<221> ACETYLATION
<222> (1)...(1)

<221> AMIDATION
<222> (5)...(5)

<400> 27
Glu His Asp Thr His
1 5

<210> 28
<211> 5
<212> PRT
<213> human

<400> 28
Glu His Asp Thr His
1 5